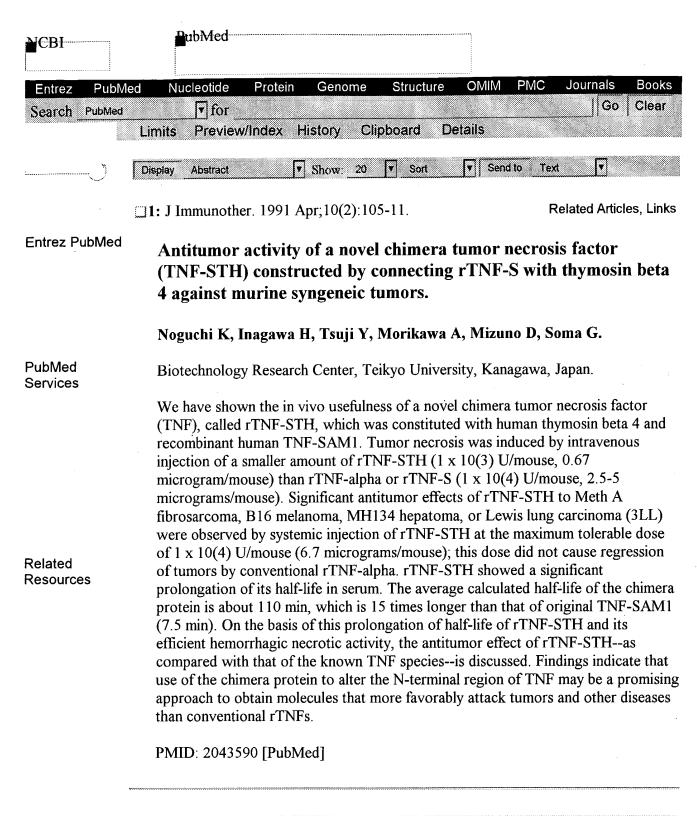


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May 3 2004 06:56:40



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Department of Health & Human Services
Freedom of Information Act | Disclaimer

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Show: 20

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Abstract

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May 7, 2004, 06:25:25 ; Search time 194.56 Seconds (without alignments) 11.413 Million cell updates/sec
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/ GGNZ_6/ptodata/2/pubpaa/US07_PUBCOMB.pep:*

/ GGNZ_6/ptodata/2/pubpaa/US07_NEW_PUB.pep:*

/ GGNZ_6/ptodata/2/pubpaa/US06_NEW_PUB.pep:*

/ GGNZ_6/ptodata/2/pubpaa/US06_PUBCOMB.pep:*

/ GGNZ_6/ptodata/2/pubpaa/US06_PUBCOMB.pep:*

/ GGNZ_6/ptodata/2/pubpaa/US08_NEW_PUB.pep:*

/ GGNZ_6/ptodata/2/pubpaa/US08_NEW_PUB.pep:*

/ GGNZ_6/ptodata/2/pubpaa/US08_PUBCOMB.pep:*

/ GGNZ_6/ptodata/2/pubpaa/US08_PUBCOMB.pep:*

/ GGNZ_6/ptodata/2/pubpaa/US09_PUBCOMB.pep:*

/ GGNZ_6/ptodata/2/pubpaa/US09_PUBCOMB.pep:*

/ GGNZ_6/ptodata/2/pubpaa/US09_PUBCOMB.pep:*

/ GGNZ_6/ptodata/2/pubpaa/US108_PUBCOMB.pep:*

/ GGNZ_6/ptodata/2/pubpaa/US108_PUBCOMB.pep:*

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/ GGNZ_6/ptodata/2/pubpaa/US108_PUBCOMB.pep:*

/ GGNZ_6/ptodata/2/pubpaa/US108_PUB.pep:*

/ GGNZ_6/ptodata/2/pubpaa/US108_PUB.pep:*

/ GGNZ_6/ptodata/2/pubpaa/US1086_PUBCOMB.pep:*
GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Total number of hits satisfying chosen parameters:
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Maximum Match 100%
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Gapop 10.0 , Gapext 0.5
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39
1 GYWXXXWX 8
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

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Description	Sequence 68	Sequence	Sequence 67,	Sequence 23,	Seguence	Sequence	Sequence	Seguence	Sequence	Sequence 62, Appl	Sequence	Sequence 69, App	Sequence	Sequence	Seguence
ID	US-10-046-922-68	US-10-046-922-73	US-10-046-922-67	US-09-813-653-23	US-10-664-021-68	US-10-664-021-67	US-10-664-021-80	US-10-351-641-1668	US-10-462-262-235	US-10-664-021-62	US-10-424-599-157766	US-10-664-021-69	US-10-664-021-79	US-10-664-021-78	US-10-664-021-74
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Score	39	39	38	27	26	26	56	26	26	26	26	25	25	25	25
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US-09-925-299-1401	9-925-299-140	-424-599-1913	8-10-424-599-26	939-980-26	5-10-424-599-2	-424-599-22	1-106-698-725	1-424-5	1-259-165-2	1-259-165-37	1-925-298-5	-102-806-55	1-264-049-42	1-282-122A-46	1-424-599-28	1-436-549-4	1-436-549-52	884-767A-3	US-09-563-222-53	-10-403-938-2	5-10-367-580-2	-10-367-593-2	8-10-367-594-2	-10-367-654-2	0-367-658-2	-10-367-6	0-050-902-17	-050-	0-050-898-1
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Gaps
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US-10-046-922-68

US-10-046-922-68

Sequence 68, Application US/10046922

Publication No. US20020164667A1

GENERAL INFORMATION:

APPLICANT: Alitalo, Kari

APPLICANT: Koivunen, Erkki

APPLICANT: Koivunen, Erkki

APPLICANT: Roivunen, Erkki

TITLE OF INVENTION: VEGFR-3 INHIBITOR MATERIALS AND METHODS

FILE REPERBENCE: 28967/37084A

CURRENT FILING DATE: 2002-01-15

NUMBER OF SEQ ID NOS: 80

SOFTWARE: Patentin version 3.0

LENGTH: 8

LENGTH: 8
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                                                                                                                                                                                                                                                                                                                                                                                                             FEATURE:
NAME/KEY: SITE
LOCATION: (4)..(6)
OTHER INFORMATION: X is any amino acid
NAME/KEY: SITE
LOCATION: (8)..(8)
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Best Local Similarity 100.
Matches 8; Conservative
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ORGANISM: peptide
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RESULT 2 US-10-046-922-73

1 GYWXXXWX 8

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FEATURE

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APPLICANT: Wilson, Carol
APPLICANT: See, Raymond
APPLICANT: Tan Hehir, Christina
APPLICANT: Tan Hehir, Christina
TITLE OF INVENTION: Binding Compounds and Methods For Identifying Binding Compounds
TITLE OF INVENTION NUMBER: US 00/9913,653
CURRENT APPLICATION NUMBER: US 60/190,946
PRIOR FILING DATE: 2000-03-21
NUMBER OF SEQ ID NOS: 44
SOFFWARE: Patentin Version 3:0
SEQ ID NO 23
LENGTH: 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 68, Application US/10664021

Sequence 68, Application US/10664021

Dublication No. US20040076637A1

GENERAL INFORMATION:

APPLICANT: Trimeris, Inc.;

TITLE OF INVENTION: HIV-Derived HR1 Peptides Modified to Form Stable Trimers, an TITLE OF INVENTION: Their Use In Therapy to Inhibit Transmission of Human TITLE OF INVENTION: Immunodeficiency Virus

TITLE OF INVENTION: Immunodeficiency Virus

FILE REFERENCE: TRAW-0011

CURRENT APPLICATION NUMBER: US/10/664,021

CURRENT FILING DATE: 2003-09-16

PRIOR FILING DATE: 2002-09-27

NUMBER OF SEQ ID NOS: 82

SEQ ID NO 68

LENGTH: 6
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NAME/KEY: misc_feature
LOCATION: (2) .. (4)
OTHER INFORMATION: Xaa can be any naturally occurring amino acid
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CTHER INFORMATION: Xaa can be any naturally occurring amino acid

US-10-664-021-68
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; OTHER INFORMATION: wherein each Xaa represents an amino acid
US-09-813-653-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Similarity 100.0%; Pred. No. 1.9e+02; 6; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         OTHER INFORMATION: exemplary library CPI-10042
NAME/KEY: MOD RES
LOCATION: (11)
LOCATION: ANIDATION: ANIDATION
NAME/KEY: misc_feature
                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: PRT
ORGANISM: Artificial sequence
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: PRT ORGANISM: Artificial
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Best Local Similarity
Matches 6; Conserv
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Sequence 67, Application US/10046922
Sequence 67, Application US/10046922
Publication No. US20020164667A1
GENERAL INFORMATION:
APPLICANT: Alialo, Kari
APPLICANT: Rolo, Hajine
TITLE OF INVENTION: VEGFR-3 INHIBITOR MATERIALS AND METHODS
FILE REFERENCE: 28967/37084A
CURRENT APPLICATION NUMBER: US/10/046,922
CURRENT FILING DATE: 2002-01-15
NUMBER OF SEQ ID NOS: 80
SOFTWARE: Patentin version 3.0
SEC ID NO 67
       Sequence 73, Application US/10046922
Publication No. US20020164667A1
GENERAL INFORMATION:
APPLICANT: Alitalo, Kari
APPLICANT: Koivunen, Erkki
APPLICANT: Koivunen, Erkki
TITLE OF INVENTION: VGGFR-3 INHIBITOR MATERIALS AND METHODS
FILE REFERENCE: 28967/37084A
CURRENT FALICATION NUMBER: US/10/046,922
CURRENT FILIOR DATE: 2002-01-15
NUMBER OF SEQ ID NOS: 80
SOFTWARE: Patentin Version 3.0
SEQ ID NO 73
LENGTH: 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         100.0%; Score 39; DB 13; Length 10; 100.0%; Pred. No. 1.4; tive 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                             NAME/KEY: SITE
COCATION: (5)...(7)
OTHER INFORMATION: X is any amino acid
NAME/KEY: SITE
COCATION: (9)...(9)
OTHER INFORMATION: X is any amino acid
US-10-046-922-73
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Best Local Similarity 100.
Matches 7; Conservative
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Best Local Similarity 100.
Matches 8; Conservative
                                                                                                                                                                                                                                                                                                                                                    TYPE: PRT
ORGANISM: peptide library
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ORGANISM: peptide
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Gaps

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Length 6; 0; Indels

Query Match
Best Local Similarity 100.0%; Pred. No. 1e+06;
Matches 6; Conservative 0; Mismatches 0.

Sequence 23, Application US/09813653 Patent No. VS20020064770A1 GENERAL INFORMATION: APPLICANT: Nestor, John

RESULT 4 US-09-813-653-23

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LENGTH:

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g

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APPLICANT: Barney, S.
APPLICANT: Guthrie, K.
APPLICANT: Guthrie, K.
APPLICANT: Guthrie, K.
APPLICANT: Merutka, G.
APPLICANT: Merutka, G.
APPLICANT: Anmer, M.
APPLICANT: Lambert, D.
TITLE OF INVENTION: HYBRID POLYPEPTIDES WITH ENHANCED PHARMACOKINETIC
TITLE OF INVENTION: HYBRID 109/10/21,641
CURRENT APPLICATION NUMBER: 09/315,641
PRIOR FILING DATE: 1999-07-09
PRIOR APPLICATION NUMBER: 09/082,279
PRIOR APPLICATION NUMBER: 09/082,279
PRIOR FILING DATE: 1998-05-20
PRIOR FILING DATE: 1998-05-20
PRIOR SEQ ID NOS: 1757
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 1668
                                                                                                                                                                                                             Gaps
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (6)...(7)
; CTHER INFORMATION: Xaa can be any naturally occurring amino acid
US-10-664-021-80
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                                                                                                                                                       DB 16; Length 7;
1e+06;
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; Sequence 235, Application US/10462262
; Publication No. US20040009534A1
; GENERAL INPORMATION:
; APPLICANT: Sato, Aaron K.
; TILLE REPRENCE: 10280-052001
; CURRENT APPLICATION NUMBER: US/10/462,262
; CURRENT APPLICATION NUMBER: US/10/462,262
; CURRENT APPLICATION NUMBER: US/10/462,262
; PRIOR APPLICATION NUMBER: US/10/462,262
; PRIOR FILING DATE: 2002-06-14
; NUMBER: OF SEQ ID NOS: 430
; SEQ ID NO 235
                                                                                                                                                                                                                0; Mismatches
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OTHER INFORMATION: Xaa=unknown amino acid
                                                                                                                                                          66.7%; Score 26; 100.0%; Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; Sequence 1668, Application US/10351641
; Publication No. US20030186874A1
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match 66.7
Best Local Similarity 100.
Matches 6; Conservative
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Best Local Similarity 100.
Matches 6; Conservative
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Sequence 80, Application US/1064021

Sequence 80, Application US/10664021

Sequence 80, Application US/20040076637A1

Sequence 80, Application NO: US20040076637A1

TITLE OF INVENTION: HIV-Derived HRI Peptides Modified to Form Stable Trimers, and

TITLE OF INVENTION: Their Use In Therapy to Inhibit Transmission of Human

TITLE OF INVENTION: Immunodeficiency Virus

TITLE OF INVENTION: Immunodeficiency Virus

TITLE OF INVENTION: UNMBER: US/10/664,021

CURRENT FILING DATE: 2003-09-16

PRIOR FILING DATE: 2002-09-27

NUMBER OF SEQ ID NOS: 82

SOFTWARE: PatentIn Version 3.2

SEQ ID NO 80
                                                                                                                                                                                               Squence 67, Application US/10664021

Squence 67, Application US/10664021

Bublication No. US20040076637A1

GENERAL INFORMATION:
TITLE OF INVENTION: HIV-Derived HR1 Peptides Modified to Form Stable Trimers, and
TITLE OF INVENTION: Their Use In Therapy to Inhibit Transmission of Human
TITLE OF INVENTION: Immunodeficiency Virus
FILE REFERENCE: TRM-001

CURRENT APPLICATION NUMBER: US/10/664,021

CURRENT FILING DATE: 2003-09-16

PRIOR APPLICATION NUMBER: US 60/414,514

PRIOR APPLICATION NUMBER: US 60/414,514

SRIOR FILING DATE: 2002-09-27

NUMBER OF SEQ ID NOS: 82

SOFTWARE: PatentIn version 3.2

LENGTH: 7
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LOCATION: (2)._(4)
OTHER INFORMATION: Xaa can be any naturally occurring amino acid
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OTHER INFORMATION: Xaa can be any naturally occurring amino acid
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LOCATION: (6)._(6)
OTHER INFORMATION: Xaa can be any naturally occurring amino acid
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OTHER INFORMATION: synthesized; Xaa is any amino acid
FEATURE:
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Best Local Similarity 100.
Matches 6; Conservative
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ORGANISM: Artificial
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                                  WXXXWX B
                                                                 1 WXXXWX 6
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US-10-664-021-67
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Sequence 157766, Application US/10424599
Publication No. US20040031072A1
GENERAL INFORMATION:
APPLICANT: La Rosa Thomas J
APPLICANT: La Rosa Thomas J
APPLICANT: Cao Vongwel
TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
TITLE OF SEQ IN UNBERS: US/10/424,599
CURRENT APPLICATION NUMBER: US/10/424,599
CURRENT FILING DATE: 2003-04-28
NUMBER OF SEQ ID NOS: 285684
SEQ ID NO 157766
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       JULY CARTON TO THE TO THE TO THE TO THE TO THE TENENCY OF SEQUENCY OF SEQUENCY
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                                                                                                                                                                                                                                                                                                   Gaps
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (8)...(8)
; CTHER INFORMATION: Xaa can be any naturally occurring amino acid
US-10-664-021-62
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ö
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                                                                                                                                                                                                              Query Match 66.7%; Score 26; DB 16; Length 8; Best Local Similarity 100.0%; Pred. No. 1e+06; Matches 6; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ) OTHER INFORMATION: Clone ID: PAT_MRT3847_113482C.1.pep
US-10-424-599-157766
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: PRT ORGANISM: Artificial PEATURE: CTHER INFORMATION: Synthesized; Xaa is any amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    REATURE:
NAME/KEY: unsure
LOCATION: (1)..(84)
OTHER INFORMATION: unsure at all Xaa locations
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ORGANISM: Glycine max
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APPLICANT: Trimeris, Inc.

TITLE OF INVENTION: HIV-Derived HR1 Peptides Modified to Form Stable Trimers, and
TITLE OF INVENTION: Their Use In Therapy to Inhibit Transmission of Human
TITLE OF INVENTION: Immunodeficiency Virus
FILE REFERENCE: TRM-001
CURRENT APPLICATION NUMBER: US/10/664,021
CURRENT FILING DATE: 2003-09-16
PRIOR APPLICATION NUMBER: US 60/414,514
PRIOR FILING DATE: 2002-09-27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NAME/KEY: VARIANT
LOCATION: 6
OTHER INFORMATION: Xaa = Z2 = Ala,Glu, Phe, His, Ile, Lys, Leu, Gln,
OTHER INFORMATION: Arg, Ser, Thr, Val, or Tyr
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              OTHER INFORMATION: Xaa = 22 = Ala, Cys, Phe, Lys, Pro, Arg, Trp, or OTHER INFORMATION: Tyr
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           LOCATION: (6). 7(6) OTHER INFORMATION: Xaa can be any naturally occurring amino acid
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OTHER INFORMATION: Xaa can be any naturally occurring amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           LOCATION: 5
OTHER INFORMATION: Xaa = 22 = Cys, Asp, Glu, Gly, His, Lys,
OTHER INFORMATION: Met, Asn, Gln, Arg, Ser, Thr, Val, or Tyr
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                                                                                                                                                                                                                                                                                                   OTHER INFORMATION: Xaa = Z1 = one amino acid or is absent
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) LOCATION: (8) ...(0)

) CTHER INFORMATION: Xaa = Z3 =at least one amino acid

US-10-462-262-235
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                                                                                                                                                                                                                                                                                                                                                                                                                                                    OTHER INFORMATION: Xaa = Phe or Tyr
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 // Sequence 62, Application US/10664021
// Publication No. US20040076637A1
// GENERAL INFORMATION:
                                                                                                                                                 OTHER INFORMATION: exemplary motif
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SOFTWARE: Patentin version 3.2
SEQ ID NO 62
                                        TYPE: PRT
ORGANISM: Artificial Sequence
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ORGANISM: Artificial
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NAME/KEY: VARIANT
LOCATION: 4
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        LENGTH: 8
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Modified to Form Stable Trimers, and Inhibit Transmission of Human
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LOCATION: (3).7(3)
OTHER INFORMATION: Xaa can be any naturally occurring amino acid
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OTHER INFORMATION: Xaa can be any naturally occurring amino acid
                                                                                  OTHER INFORMATION: synthesized; Xaa is any amino acid PEATURE:
NAME/KST: misc_feature
LOCATION: (2)..(2)..(2)
OTHER INFORMATION: Xaa can be any naturally occurring amino acid
                                                                                                                                                                                                                                 NAME/KEY: misc_feature; LOCATION: (4)...(6); LOCATION: (4)...(6); CTHER INFORMATION: Xaa can be any naturally occurring amino acid us-10-664-021-78
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Sequence 74, Application US/10664021

Publication No. US20040076637A1

GENERAL INFORMATION:
TITLE OF INVENTION: HIV-Derived HRI Peptides Modified to Form:
TITLE OF INVENTION: Their Use In Therapy to Inhibit Transmiss:
TITLE OF INVENTION: Immunodeficiency Virus
FILE REPERENCE: TRM-001

CURRENT PILING DATE: 2003-09-16

PRIOR APPLICATION NUMBER: US 60/414,514

PRIOR PILING DATE: 2002-09-27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity 100.0%; Pred. No. 1e+06;
Matches 5; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                             Query Match 64.1%; Score 25; DB 16; Length 7; Best Local Similarity 100.0%; Pred. No. 1e+06; Matches 5; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NUMBER OF SEQ ID NOS: 82
SOFTWARE: Patentin version 3.2
SEQ ID NO 74
LENGTH: 8
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NAME/KEY: misc feature
LOCATION: (1) ...(1)
CTHER INFORWATION: Xaa CE
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ORGANISM: Artificial
                         TYPE: PRT
ORGANISM: Artificial
FEATURE:
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US-10-664-021-74
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FOURTH TO SEQUENCE 79, Application US/10664021

FOURTH TO SEQUENCE 70, Application No. US20040076637A1

GENERAL INFORMATION:

TITLE OF INVENTION: Their Use In Therapy to Inhibit Transmission of Human

TITLE OF INVENTION: Immunodeficiency Virus

TITLE OF INVENTION: Immunodeficiency Virus

FILE REFERENCE: TRM-001

CURRENT FILING DATE: 2003-09-16

FRIOR APPLICATION NUMBER: US 60/414,514

FRIOR APPLICATION NUMBER: US 60/414,514

FRIOR APPLICATION NUMBER: US 60/414,514

FRIOR PLINE DATE: 2002-09-27

NUMBER OF SEQ ID NOS: 82

SOFTWARE: PatentIn version 3.2

SEQ ID NO 79

LENGTH: 6
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US-10-664-021-78
Sequence 78, Application US/10664021
Publication No. USZ0040076637A1
GENERAL INPORMATION:
APPLICANT Trimeris, Inc.
TITLE OF INVENTION: Their Use In Therapy to Inhibit Transmission of Human
TITLE OF INVENTION: Immunodeficiency Virus
TITLE OF INVENTION: Immunodeficiency Virus
TITLE OF INVENTION: Immunodeficiency Virus
TITLE OF INVENTION: 1003-09-16
CURRENT FILING DATE: 2002-09-27
NUMBER OF SEQ ID NOS: 82
SOFTWARE: Patentin version 3.2
SEQ ID NO 78
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NAME/EXT: misc_feature
LOCATION: (1)..(1)
OTHER INFORMATION: Xaa can be any naturally occurring amino acid
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (2)...(4)
; OTHER INFORMATION: Xaa can be any naturally occurring amino acid
US-10-664-021-69
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1 DCCATTON: (3)..(5)

2 DTHER INFORMATION: Xaa can be any naturally occurring amino

US-10-664-021-79
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                                                                                                                                            Length 5;
                                                                                                                                                                                         0; Indels
                                                                                                                                         64.1%; Score 25; DB 16;
100.0%; Pred. No. 1e+06;
iive 0; Mismatches 0
                                                                                                                     Query Match
Best Local Similarity 100..
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Best Local Similarity 100.
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: PRT
ORGANISM: Artificial
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   3 WXXXW 7
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                                                                                                                                                                                                                                                                                 1 WXXXW 5
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US-10-664-021-79
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modulating fusogenic events and intracellular processes involving coiled-coil peptide interactions. Other uses include preventing, treating and/or diagnosing disorders involving fusion events (e.g. modulation of neurotransmitter exchange and sperm-egg fusion), intracellular processes involving coiled-coil peptides (e.g. bacterial infections) and viral infections that involve cell-cell and/or virus-cell fusion (e.g. viral infections caused by human immunodeficiency virus, respiratory syncytial virus. Egstein-Barx virus, heparitis B virus, mason-Pfizzr virus and virus). The enhancer peptide sequence increases the half-life and reduces the clearance rate of therapoutic peptides, which increases their efficacy and minimises the incidence and severity of adverse side effects. In addition, this increases the sensitivity of the diagnostic procedure in which they are used. (Updated on 06-MUG-2003 to correct OS field.) (Updated on 11-SEP-2003 to standardise OS field)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Novel constrained helical peptide compound useful for prophylactically or therapeutically treating mammal at risk for or infected with human immunodeficiency virus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           The invention describes a constrained helical peptide compound ({\rm II}) comprising a first constrained helical peptide comprising a sequence of 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human immunodeficiency virus; HIV; vaccine; helical peptide compound;
                                                                                                                                                                                                                                                                                                                            0; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Braisted AC, Judice JK, Mcdowell RS, Phelan JC, Starovasnik MA;
                                                                                                                                                                                                                                                                                                                        0; Indels
                                                                                                                                                                                                                                                                                       66.7%; Score 26; DB 4; Length 8; 100.0%; Pred. No. 1.4e+06; tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                HIV envelope protein gp41 polypeptide #10.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Disclosure; Fig 23B; 180pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ABUS7814 standard, protein; 46 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 96US-00743698.
97US-0049787P.
97US-00876698.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human immunodeficiency virus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   15-MAY-2001; 2001US-00854816.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     97US-00965056
                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity luv..
6, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              10-APR-2003 (first entry)
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MCDOWELL R S.
PHELAN J C.
STAROVASNIK M A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      BRAISTED A C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WPI; 2003-182525/18.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WELLS J A.
                                                                                                                                                                                                                                                                                                                                                           3 WXXXWX 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 envelope protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US2002151473-A1.
                                                                                                                                                                                                                                                         Sequence 8 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     06-NOV-1996;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     .6-JUN-1997;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    6-JUN-1997;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   17-OCT-2002.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ABUS7814;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WELL/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         STAR/
                                                                                                                                                                                                                                                                                                                                                                                                                                            RESULT 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                              ABU57814
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amino acide (a.as) individed to each other forming a locking but a side chain that are linked to each other forming a locking group to form a constrained helical peptide. (1) is useful for preparing group to artibodies that prevent viral membrane fusion, as haptens, preferably antibodies that prevent viral membrane fusion, as haptens, preferably artibodies that prevent viral membrane fusion, as haptens, preferably a trached to a carrier, for use as an immunogen to raise antibodies that are used in in chemical selection systems, to isolate the binding determinants from alpha-halical binding domains of known proteins systems, to isolate the binding determinants from alpha-halical binding domain of a known protein serve as a structural model for the design of peptidomimetics, to replace intact binding proteins or protein binding domains in the affinity purification of ligands to miniocolonal antibody clones with a selectively raise polyclonal or monocolonal antibody clones with a selected binding activity from phage display combine orial libraries, to provide conformationally stable variants of peptides or proteins which exhibit floppy or unstable alpha-helical secondary structure at one or more sites in unrestrained form under conditions of interest. This is the amino acid sequence of an HIV envelope protein gyal peptide used in the creation of the locked helix
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human immunodeficiency virus; HIV; vaccine; helical peptide compound;
viral membrane fusion; hapten; immunogen; peptidomimetic; gp41;
envelope protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0; Gaps
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amino acids (a.as) having a first and second terminal residue both
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      66.7%; Score 26; DB 6; Length 46; 100.0%; Pred. No. 4.8e+02; ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Mcdowell RS, Phelan JC,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            HIV envelope protein gp41 polypeptide #12.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ABUS7816 standard; protein; 46 AA.
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97US-00876698.
97US-00965056.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       10-APR-2003 (first entry)
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MCDOWELL R S.
PHELAN J C.
STAROVASNIK M A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Braisted AC, Judice JK,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                BRAI/) BRAISTED A C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WPI; 2003-182525/18.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (PHEL/) PHELAN J C.
(STAR/) STAROVASNIK
(WELL/) WELLS J A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Best Local Similarity
Matches 6; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          39 WXXXWX 44
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     3 WXXXWX 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US2002151473-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 46 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      06-NOV-1996;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             16-JUN-1997;
16-JUN-1997;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              05-NOV-1997;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ABU57816;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
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comprising a first constrained helical peptide compurising a sequence of computising a first constrained helical peptide comprising a sequence of amino acids (a.as) having a first and second terminal residue both famino acids and terminal residue both a side chain that are linked to each other forming a locking group to form a constrained helical peptide. (I) is useful for preparing attached to a carrier, for use as an immunogen to raise antibodies that carched to a carrier, for use as an immunogen to raise antibodies that car useful in chemical selection systems, to isolate the libraries that are useful in chemical selection systems, to isolate the binding determinants from alpha-helical binding domains of known content binding domains from alpha-helical binding domains of a known protein can serve as a structural model for the design of peptidomimetics, to replace intact binding domains in the affinity purification of ligands, to minic compinatorial libraries, to protein a selectively raise polyclonal or monoclonal cantibodies against such individual epitopes for isolating synthetic antibodies against such individual epitopes for isolating synthetic combinatorial libraries, to provide conformationally stable variants of secondary structure at one or more sites in unrestrained form under conditions of interest. This is the amino acid sequence of an HIV conditions of the invention
Novel constrained helical peptide compound useful for prophylactically or therapeutically treating mammal at risk for or infected with human immunodeficiency virus.
                                                                                                                                                                                                                                                                                                                      compound (I)
                                                                                                                                                                                                                                                                                                                      invention describes a constrained helical peptide
                                                                                                                                                                                                                             Disclosure; Fig 23B; 180pp; English.
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66.7%; Score 26; DB 6; Length 46; 100.0%; Pred. No. 4.8e+02; ive 0; Mismatches 0; Indels 6; Conservative Query Match Best Local Similarity Matches 6; Conserv 39 WXXXWX 44 3 WXXXWX 8 g

Sequence 46 AA;

Gaps

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HIV envelope protein gp41 associated locked helix peptide #2.
        ABU57818 standard; peptide; 46 AA.
                          (first entry)
                          10-APR-2003
                 ABU57818;
RESULT 12
ABUS7818
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Human immunodeficiency virus; HIV; vaccine; helical peptide compound; viral membrane fusion; hapten; immunogen; peptidomimetic; gp41.

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US2002151473-A1.
Synthetic.
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17-0CT-2002

96US-00743698. 97US-0049787P. 97US-00876698. 97US-00965056. 15-MAY-2001; 2001US-00854816 06-NOV-1996; 16-JUN-1997; 05-NOV-1997;

BRAISTED A C. JUDICE J K. MCDOWELL R S.

(BRAI/) (JUDI/) (MCDO/) )

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The invention describes a constrained helical peptide compound (I)

comprising a first constrained helical peptide comprising a sequence of 8 amino acids (a.as) having a first and second terminal residue both a side chain that are linked to each other forming a locking group to comprisined helical peptide. (I) is useful for preparing a constrained helical peptide. (I) is useful for preparing antibodies that prevent viral membrane fusion, as haptens, preferably articled to a carrier, for use as an immunogen to raise antibodies that care useful in chemical selection systems, to isolate the constrained that are useful in chemical selection systems, to isolate the constrainants from alpha-blical binding determinants from alpha-blical binding determinants from alpha-blical binding determinants from alpha-blical binding determinate in an alpha-blical binding determinate in the affinity purification of ligands, to mimic content binding domains in the affinity purification of ligands, to mimic epicopes in proteins to selectively raise polyclonal or monoclonal continodies against such individual epicopes for isolating synthetic antibodies against such individual epicopes for isolating synthetic antibodies and interases, to provide conformationally stable variants of peptides or proteins at one or more sites in unrestrained form under conditions of interest. This is the amino acid sequence of a HIV 9941
                                                                                                                                                                                           Novel constrained helical peptide compound useful for prophylactically therapeutically treating mammal at risk for or infected with human
                                                                                 Starovasnik MA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     66.7%; Score 26; DB 6; Length 46;
                                                                                    Phelan JC,
                                                                                      Mcdowell RS,
                                                                                                                                                                                                                                                                                         Disclosure, Page 36; 180pp; English.
                                                                                         Braisted AC, Judice JK,
(PHEL/) PHELAN J C.
(STAR/) STAROVASNIK M A.
(WELL/) WELLS J A.
                                                                                                                                                                                                                                                     immunodeficiency virus.
                                                                                                                                                          WPI; 2003-182525/18.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 46 AA;
                                                                                                                 Wells JA;
  4447447444666666666666666677
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Gaps ö 0; Indels 4.8e+02; 100.0%; Preu. ... 6; Conservative Query Match Best Local Similarity 3 WXXXWX 8

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ABUS7810 standard; protein; 46 AA. 39 WXXXWX 44 RESULT 13 ABU5781 g

Human immunodeficiency virus; HIV; vaccine; helical peptide compound; viral membrane fusion; hapten; immunogen; peptidomimetic; gp41; HIV envelope protein gp41 polypeptide #6. envelope protein. 

(first entry)

10-APR-2003

ABU57810;

Human immunodeficiency virus US2002151473-A1.

17-OCT-2002.

15-MAY-2001; 2001US-00854816.

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the inversion absorber a constrained nettical peptide compound (1) comprising a first constrained helical peptide compound (1) amino acids (a.as) having a first and second terminal residue both a flanking an internal sequence of 6 a.as, where the terminal residue both a side chain that are linked to each other forming a locking group to a side chain that are linked to each other forming a locking group to contibodies that prevent viral membrane fusion, as haptens, preferably attached to a carrier, for use as an immunogen to raise antibodies that that prevent viral membrane fusion, as haptens, preferably attached to a carrier, for use as an immunogen to raise artibodies that constrained helical broad attached to a carrier, for use as an immunogen to raise antibodies that constrained helical broad determinants from alpha-helical binding demains of known broading determining whether a binding domains of known the contibodies for determining whether a binding domains of a known protein can serve as a structural model for the design of peptidomimetics, to replace intact binding proteins or proteins of proteins of proteins of proteins to selectively raise polyclonal or monoclonal contibodies against such individual epitopes for isolating synthetic antibodies against such exhibit floppy or unstable alpha-helical secondary structure at one or more sites in unrestrained form under conditions of interest. This is the amino acid sequence of an HIV conditions of the invention
                                                                                                                                                                                                                                                                                                  Novel constrained helical peptide compound useful for prophylactically or therapeutically treating mammal at risk for or infected with human immunodeficiency virus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Human immunodeficiency virus; HIV; vaccine; helical peptide compound;
viral membrane fusion; hapten; immunogen; peptidomimetic; gp41;
envelope protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                               Starovasnik MA
                                                                                                                                                                                                                                                                                                                                                                                                           The invention describes a constrained helical peptide compound (I)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              66.7%; Score 26; DB 6; Length 46; 100.0%; Pred. No. 4.8e+02; ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                 Mcdowell RS, Phelan JC,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          HIV envelope protein gp41 polypeptide #7.
                                                                                                                                                                                                                                                                                                                                                                           Disclosure, Fig 23A; 180pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ABU57811 standard; protein; 46 AA.
96US-00743698.
97US-0049787P.
97US-00876698.
97US-00965056.
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                                                                                     BRAISTED A C.
JUDICE J K.
MCDOWELL R S.
PHELAN J C.
STAROVASNIK M A.
                                                                                                                                                                                                               Judice JK,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Local Similarity 100.
                                                                                                                                                                                                                                                                    WPI; 2003-182525/18.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WXXXWX 44
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          3 WXXXWX 8
                                                                                                                                                                              WELL/) WELLS J A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 46 AA;
                   16-JUN-1997;
16-JUN-1997;
05-NOV-1997;
                                                                                                                                                                                                                 Braisted AC,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        10-APR-2003
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                                                                                                                                                                                                                                    Wells JA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
                                                                                                                                          (PHEL/)
(STAR/)
                                                                                         (BRAI/)
                                                                                                                           (MCDO/)
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ID ABUG
XX AC ABUG
XX DT 10-2
DT 10-2
XX DE HIV
XX Humm
KW Humm
KW VIEK
KW WYIKK
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Novel constrained helical peptide compound useful for prophylactically or therapeutically treating mammal at risk for or infected with human

Starovasnik MA;

Mcdowell RS, Phelan JC,

Braisted AC, Judice JK,

Wells JA;

WELLS J A.

(MCDO/) (PHEL/) (STAR/) (WELL/)

WPI; 2003-182525/18

BRAISTED A C.
JUDICE J K.
MCDOWELL R S.
PHELAN J C.
STAROVASNIK M A.

(BRAI/) (JUDI/)

97US-0049787P. 97US-00876698. 97US-00965056.

16-JUN-1997; 16-JUN-1997; 05-NOV-1997; 06-NOV-1996;

96US-00743698

.5-MAY-2001; 2001US-00854816.

Human immunodeficiency virus

US2002151473-A1.

17-0CT-2002

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The invention describes a constrained helical peptide compound (I)

Comprising a first constrained helical peptide comprising a sequence of amino acids (a.as) having a first and second terminal residues both flanking an internal sequence of a a.as, where the terminal residues have a side chain that are linked to each other forming a locking group to comprising that prevent viral membrane fusion, as haptens, preferably attached to a carrier, for use as an immunogen to raise antibodies that constrained helical peptide. (I) is useful for preparing to a carrier, for use as an immunogen to raise antibodies that attached to a carrier, for use as an immunogen to raise antibodies that consider that attached to a carrier, for caste combinatorial constrained helical peptide or infected with HIV, to create combinatorial constrained helical peptide or libraries that are useful in chemical selection systems, to isolate the binding determinants from alpha-helical binding domains of a known protein can serve as a structural model or the design of peptidomimetics, to replace intact binding proteins or proteins of peptidomimetics, to replace intact binding proteins or epitopes in proteins to selectively raise polyclonal or monoclonal continuatorial libraries, to provide conformationally stable variants of antibodies against such individual epitopes for isolating synthetic combinatorial libraries, to provide conformationally stable variants of peptides or proteins which exhibit floppy or unstable alpha-helical conditions of interest. This is the amino acid sequence of an HIV conditions of the invention
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                                                                    Disclosure; Fig 23A; 180pp; English
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6; Conservative
immunodeficiency virus.
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Braisted AC, Judice JK, Mcdowell RS, Phelan JC,
      HIV envelope protein gp41 polypeptide #3.
   10-APR-2003 (first entry)
ABU57807;
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Human immunodeficiency virus; HIV; vaccine; helical peptide compound; viral membrane fusion; hapten; immunogen; peptidomimetic; gp41; envelope protein.
                                                                                                                                                                                                                                                                                     97US-0049787P.
97US-00876698.
97US-00965056.
                                                                                      Human immunodeficiency virus.
                                                                                                                                                                                                                    15-MAY-2001; 2001US-00854816.
                                                                                                                                                                                                                                                                96US-00743698
                                                                                                                                                                                                                                                                                                                                                                     (BRAI/) BRAISTED A C. (JUDI/) JUDICE J K. (MUDO/) MCDOWELL R S. (PHEL/) PHELAN J C. (STAR/) STAROVASNIK M A. (WELL/) WELLS J A.
                                                                                                                                US2002151473-A1.
                                                                                                                                                                                                                                                                                     16-JUN-1997;
16-JUN-1997;
05-NOV-1997;
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Novel constrained helical peptide compound useful for prophylactically or therapeutically treating mammal at risk for or infected with human immunodeficiency virus. WPI; 2003-182525/18. Wells JA;

Starovasnik MA;

Disclosure; Fig 23A; 180pp; English

The invention describes a constrained helical peptide compound (I)

comprising a first constrained helical peptide comprising a sequence of 8

a side chain that are linked to each other terminal residues have

flanking an internal sequence of 6 ares, where the terminal residues have

constrained helical peptide. (I) is useful for preparing

antibodies that prevent viral membrane fusion, as haptens, preferably

attached to a carrier, for use as an immunogen to raise antibodies that

continected with HIV, to create combinatorial constrained helical peptide

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cor binding determinants from alpha-helical binding determinates from alpha-helical binding determinants from alpha-helical binding determinate whether a binding determinate in an alpha
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corporeins proteins to selectively raise polyclonal or monoclonal contribution proteins to selectively raise polyclonal or monoclonal contribution proteins antibody clones with a selected binding activity from phage display combinatorial libraries, to provide conformationally stable variants of secondary structure at one or more sites in unrestrained form under conditions of interest. This is the amino acid sequence of an HIV

conditions of interest. This is the amino acid sequence of an HIV

conditions of interest. This is the mains acid sequence of an HIV

conditions of interest. This is the castion of the locked helix envelope protein gp41 pep) peptides of the invention

Sequence 46 AA;

ö Gaps . 0 Query Match 66.7%; Score 26; DB 6; Length 46; Best Local Similarity 100.0%; Pred. No. 4.8e+02; Matches 6; Conservative 0; Mismatches 0; Indels

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Search completed: May 7, 2004, 06:27:57 Job time : 45.76 secs